

**In the claims:**

Please amend the claims as follows:

1. (Currently Amended) A device Device-for molding moulding of objects (5)

in- of plastic material, the device comprising:

an injection mold including mould comprising two half-molds moulds (1,

2), suitable to define, in defining in a closed position, a plurality of injection

5 cavities corresponding to of said objects (5), wherein said half-molds undergo a translating reciprocal moulds (1, 2) have a translation motion toward and away from each other of reciprocal distancing and nearing, defining a closed position

and an open position, respectively; an extraction arm (3) for removing objects from

the mould mold of said objects, that is provided with reversible gripping elements

10 for said objects, provided with translation movement and that is translatable

between a first insertion-position inserted into [[in]] the space between said half-

molds moulds (1, 2) when the latter moulds are in their an open position, and a

second position outside the half-molds; moulds, a conditioning turret (6), provided

with having two sides in opposing relation, (6', 6'') situated in a position opposite to

15 each other, each side including consisting of a group of conditioning cups with

means (7) for receiving and retaining the molded objects (5), provided with means

to hold these objects (5), the turret being supported by means which permit it to

effect a first-for rotational movement around an axis (X) essentially horizontal axis

followed by and a second vertical displacement from translation movement

20 between a first higher point-position under the extraction arm and a second lower

position; characterised in that the device contains including an extraction table, the

extraction table having gripping elements for engaging and extracting the objects from the conditioning turret cups, for the objects (5) which possesses grasping elements able to extract the objects from the cups (7) of the turret (6) and which is situated- the extraction table being positioned beneath said second lower position of the conditioning turret-(6).

2. (Currently Amended) Device as claimed in The device of claim 1, wherein a the reciprocal translation motion of reciprocal distancing and nearing of the half-molds moulds is along a vertical axis.

3. (Currently Amended) Device as claimed inThe device of claim 2, wherein the reversible grasping gripping elements of the extraction arm (3) constitute a guillotine-like device.

4. (Currently Amended) Device as claimed in The device of claim 3, wherein the translation translational movement of the extraction arm (3) is horizontal.

5. (Currently Amended) Device as claimed in The device of claim 4, wherein the grasping gripping elements of the extraction table (23) are formed by slots in situated on the surface of the table having (23) equipped with teeth configured able to grip the molded objects (5) resting in the cups.

6. (Currently Amended) Moulding A process for molding of objects (5) in of plastic material using the device of according to claim 1, the process comprising consisting of the following stages steps:

a)a. injecting molten plastic molten material into a mould consisting of mold formed by two half-molds moulds(1, 2), suitable to that define, in their closed position, a plurality group of injection cavities,

5 b) b. solidifying molded objects in the mould-mold to a predetermined degree of hardness grade of hardening that defines marking an injection cycle,

5 e) c. opening the half-molds-moulds,

10 d) d. inserting an the extraction arm (3) in the space between said half-molds-moulds,

15 e) e. extracting objects from the mould-molds using an the extraction arm (3),

20 f) f. transporting the objects to a position outside the half-molds moulds,

25 g) g. releasing transferring the objects in to the cups (7) of a the cooling turret (6); provided with a plurality of conditioning cups (7) for receiving the objects (5) distributed that are located on two sides positioned opposite each other,

30 h) h. cooling the objects until reaching to a predetermined temperature,

35 i) i. rotating the turret (6) around an axis essentially horizontal axis and vertically translating it towards displacing the turret to a lower position, and j) j. extracting the objects (5) from the cups using the (7) by means of gripping elements arranged on an the extraction table.

40 7. (Currently Amended) The process of Process as claimed in claim 6, wherein the opening of the half-molds moulds is effected using a motion of relative reciprocal distancing.

8. (Currently Amended) The process of Process as claimed in claim 7,  
wherein ~~there is foreseen on the turret (6)~~ a number of turret conditioning cups  
which is a multiple of the group number of injection cavities and wherein the  
duration of the cooling stage h) step (h) is a multiple of the duration of the injection  
molding cycle.

9. (Currently Amended) The process of Process as claimed in claim 8,  
wherein extracting the objects (5) from the cups is performed by means of frictional  
contact with the slots in gripping through slot width constrictions machined on the  
extraction table adapted to engage and suitable to insert themselves in  
predetermined zones portions of the molded objects.

10. (Currently Amended) The process of Process as claimed in claim 9,  
wherein the ~~slot width constrictions~~ slots have teeth-like shape surface projections.

11. (Currently Amended) The process of Process as claimed in claim 10,  
wherein the objects are preforms and the teeth-like constrictions surface projections  
are inserted between a ring (9) situated close to the neck of the preform (5) and the  
end of the respective cup (7) in which the preform is retained inserted.